

FIGURE 1

RNAi in Drosophila

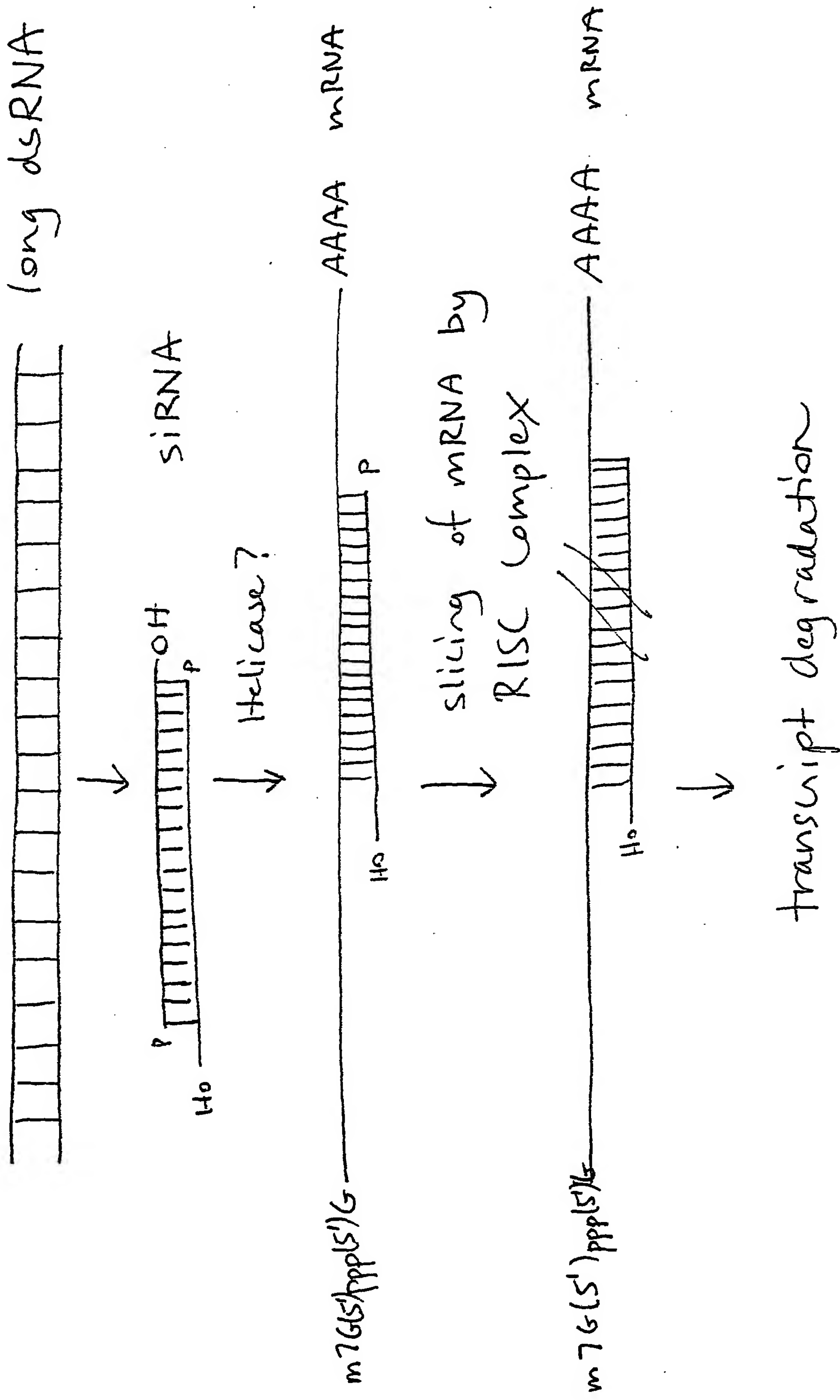


FIGURE 2

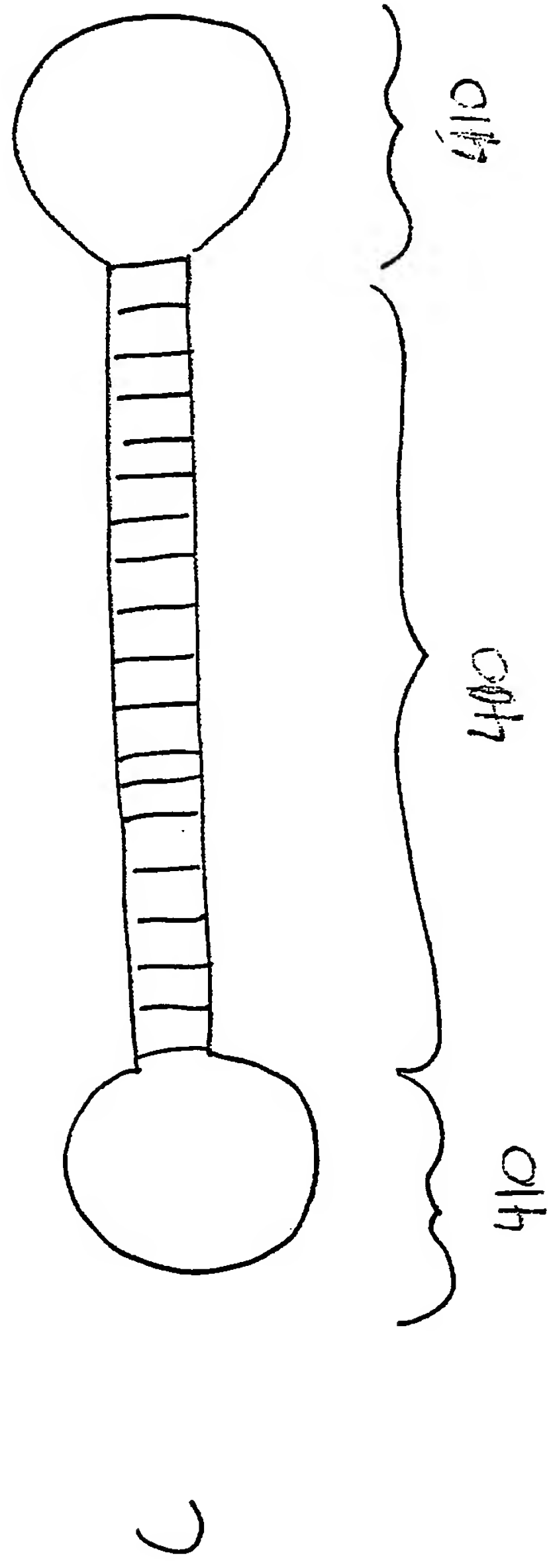
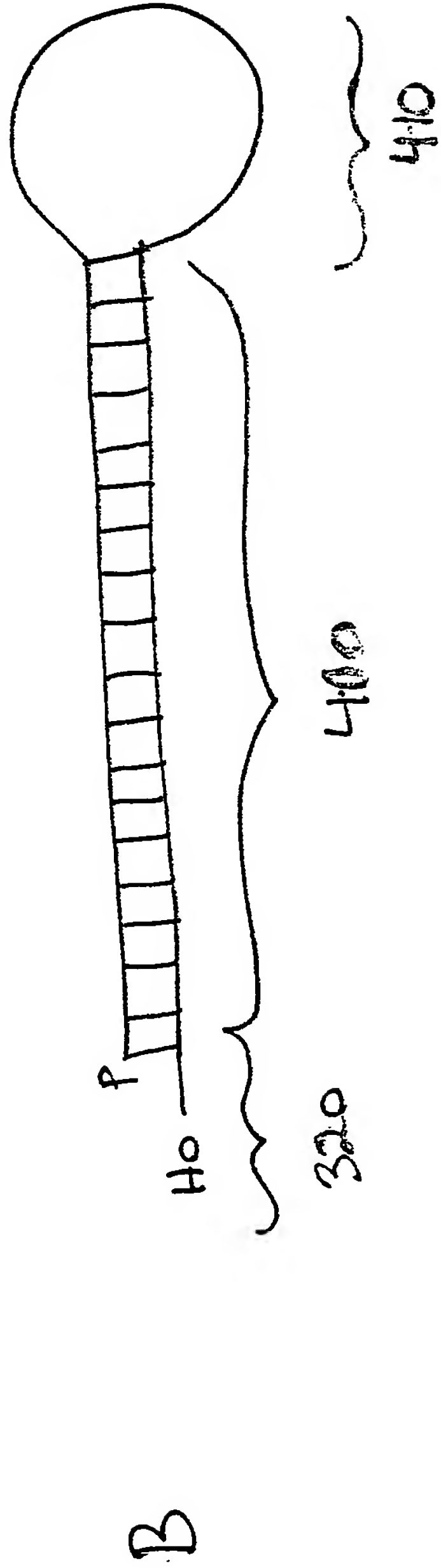
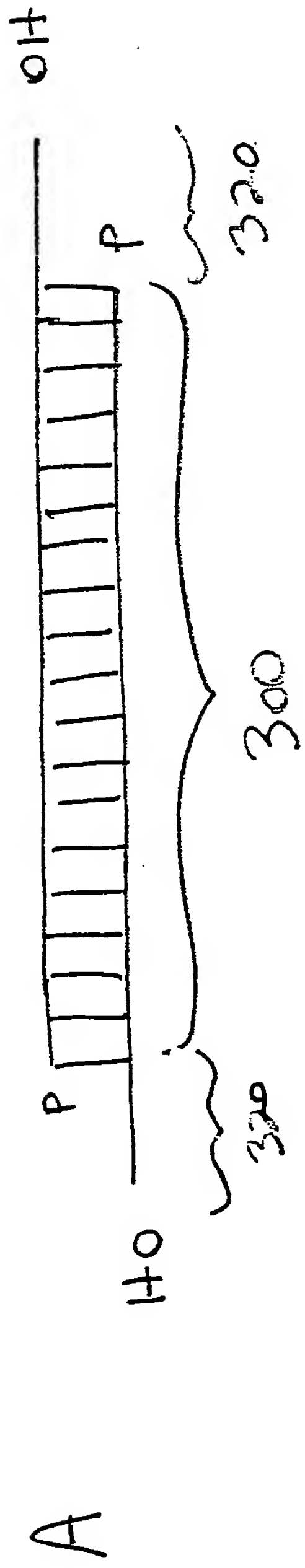
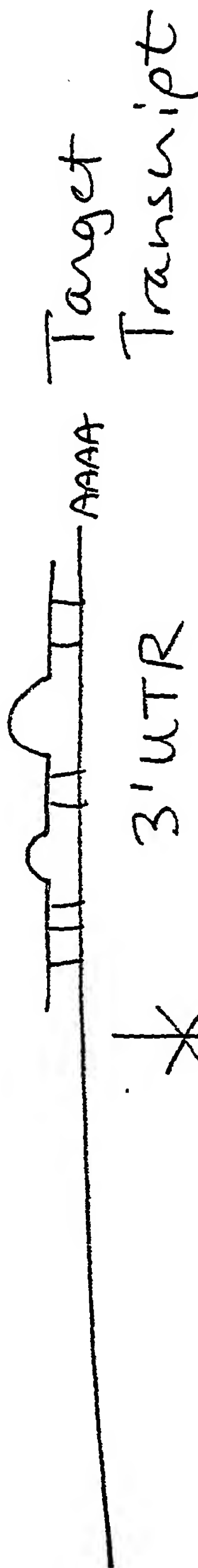
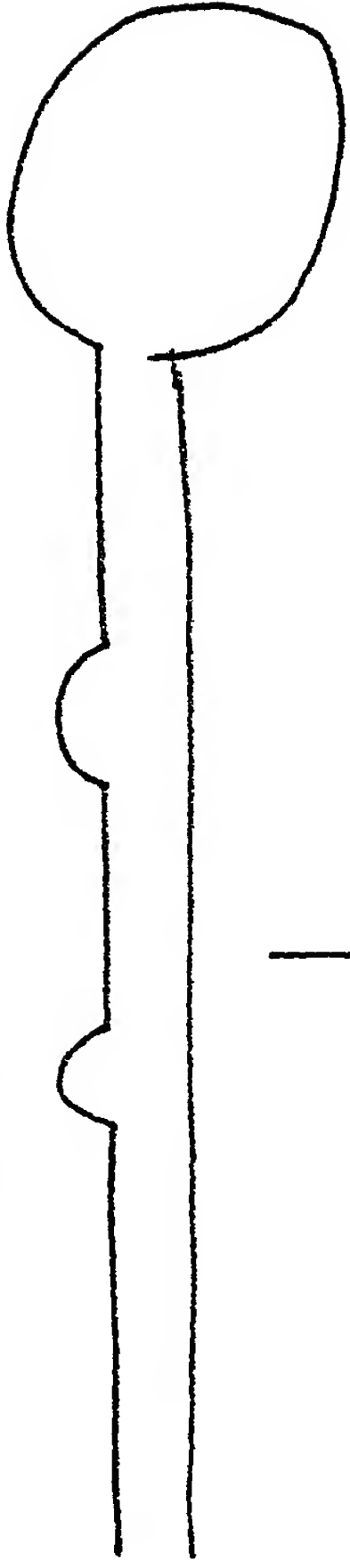


FIGURE 3

2-3 nt mismatches



Translation

FIGURE 4

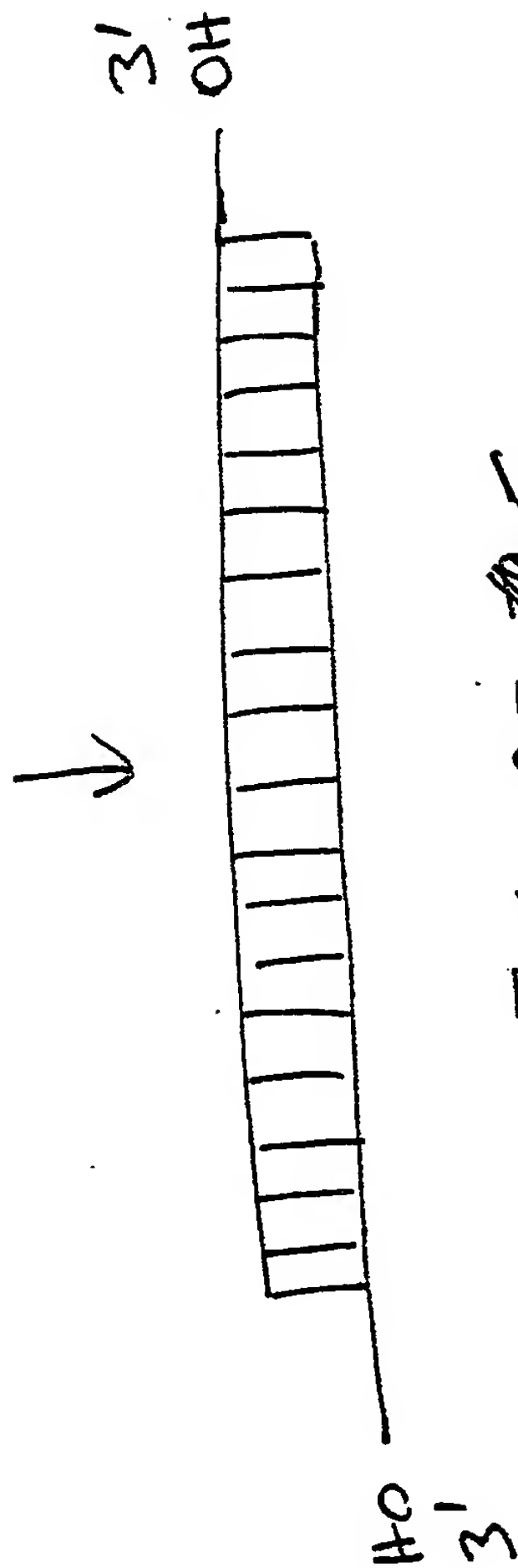
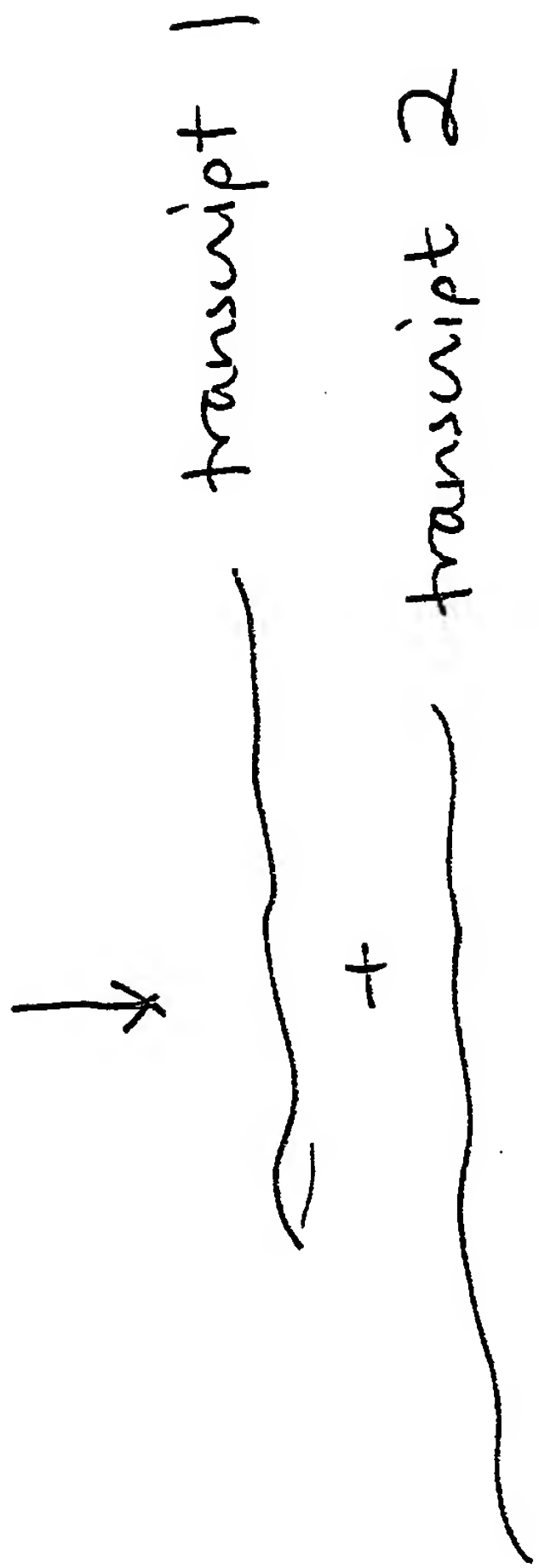
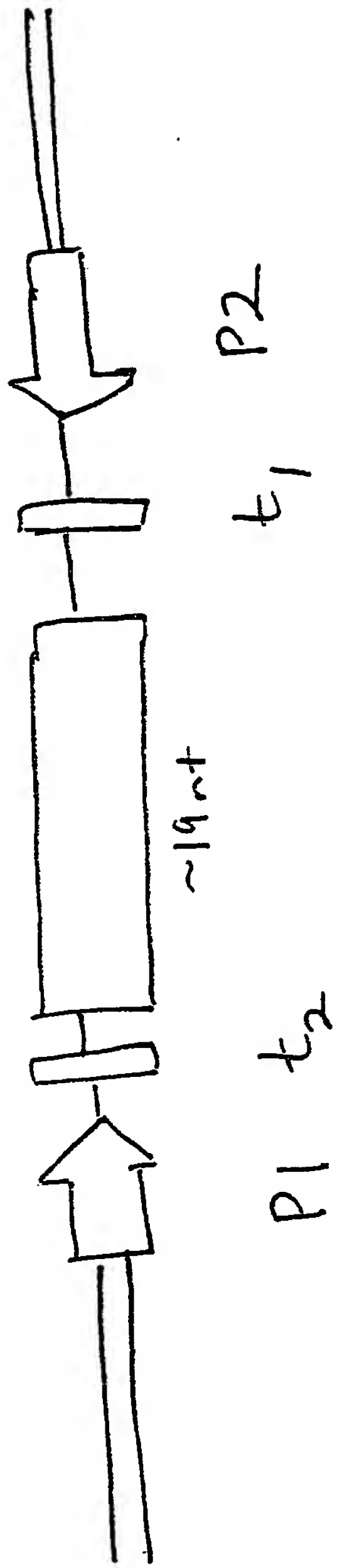


FIGURE 5

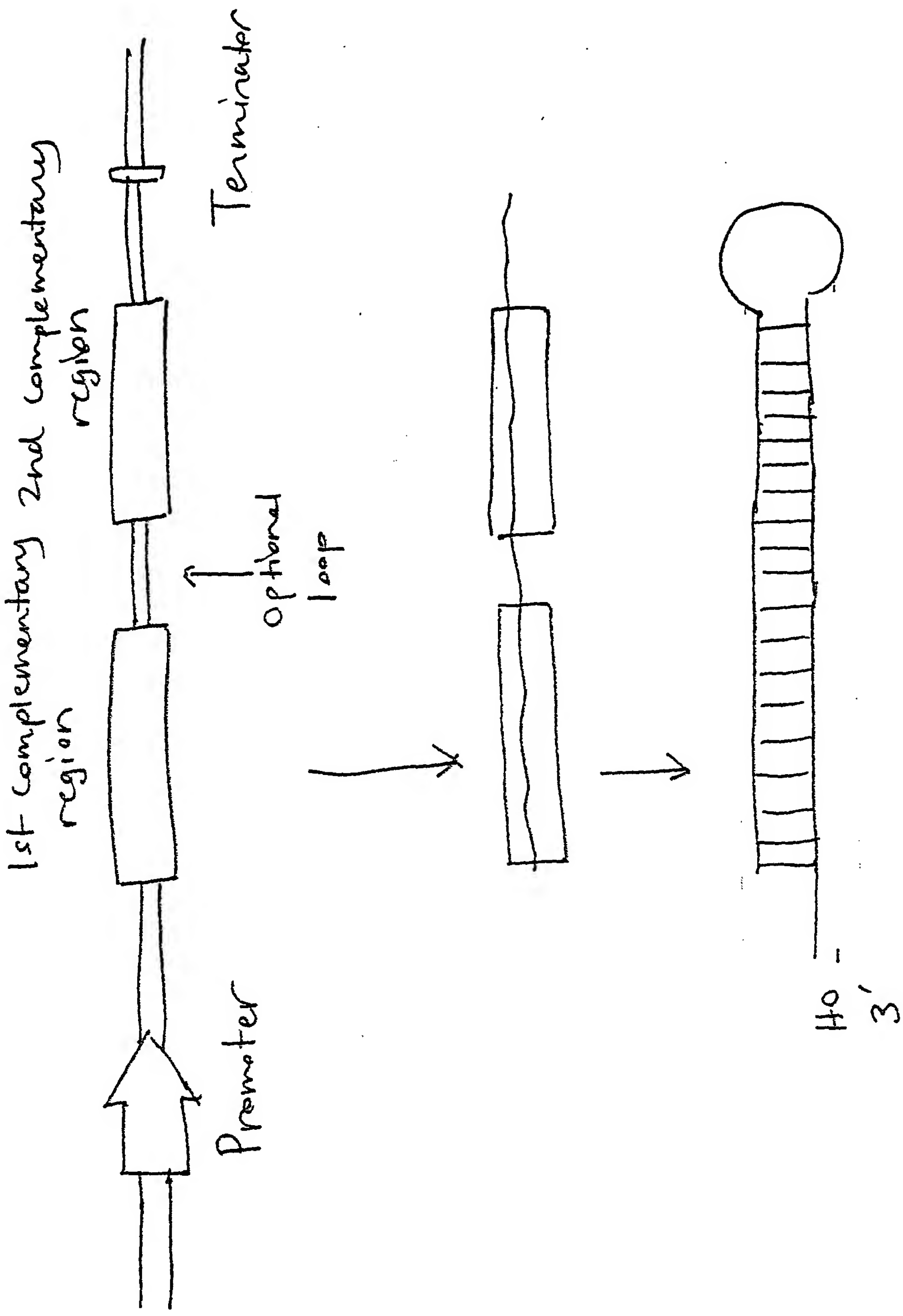


FIGURE #6

siRNA prevent influenza virus production in mice

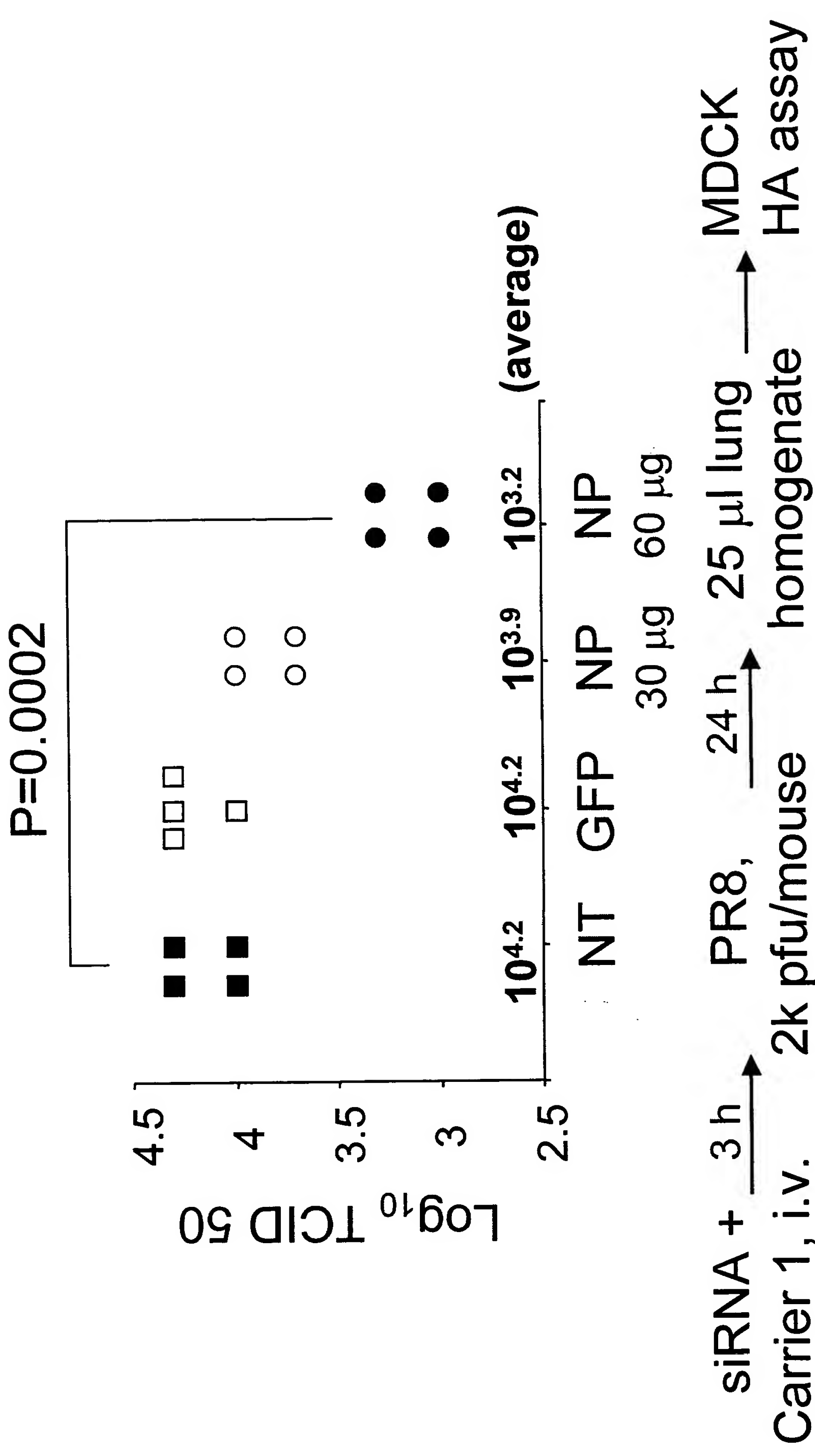
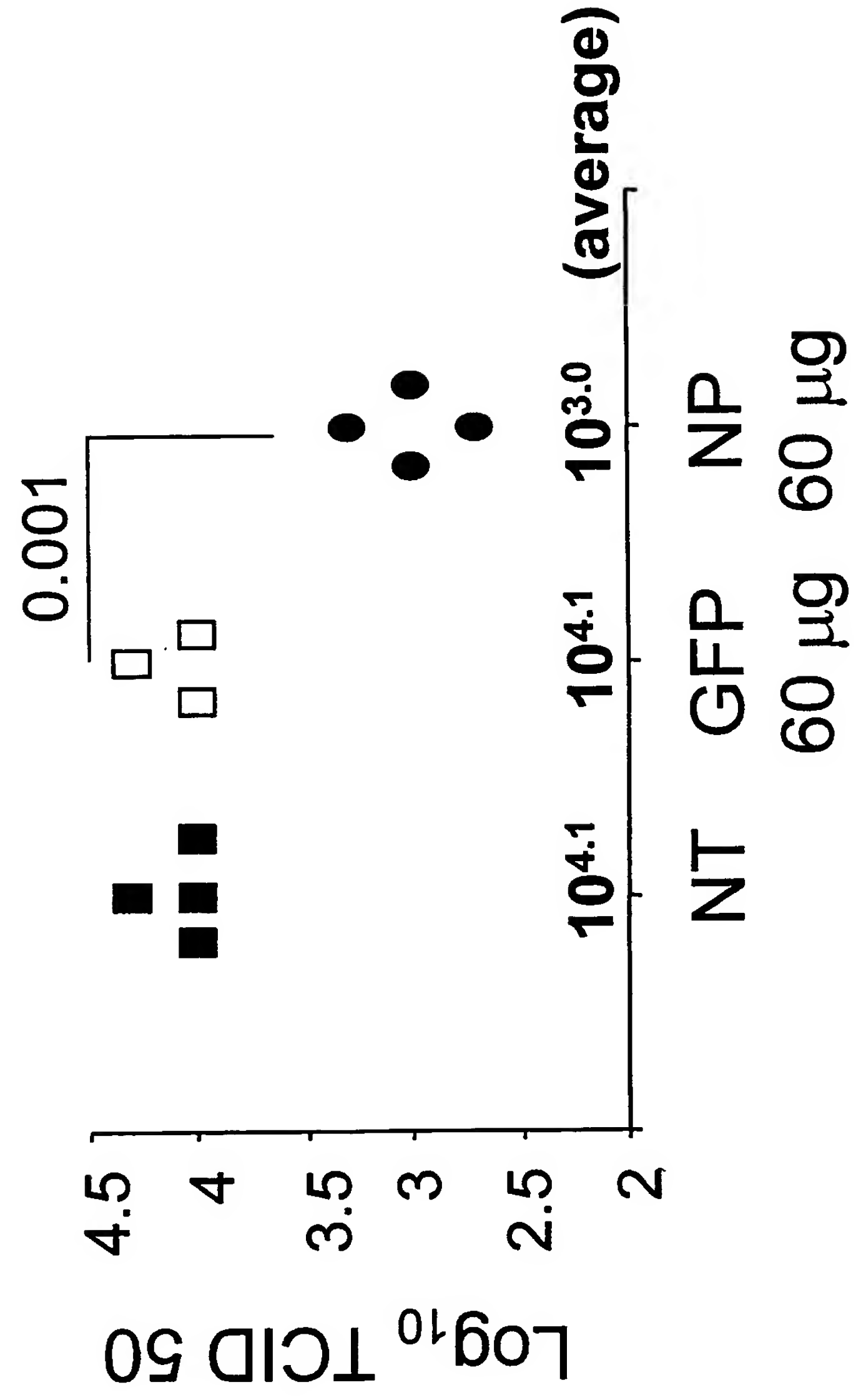


FIGURE 8A

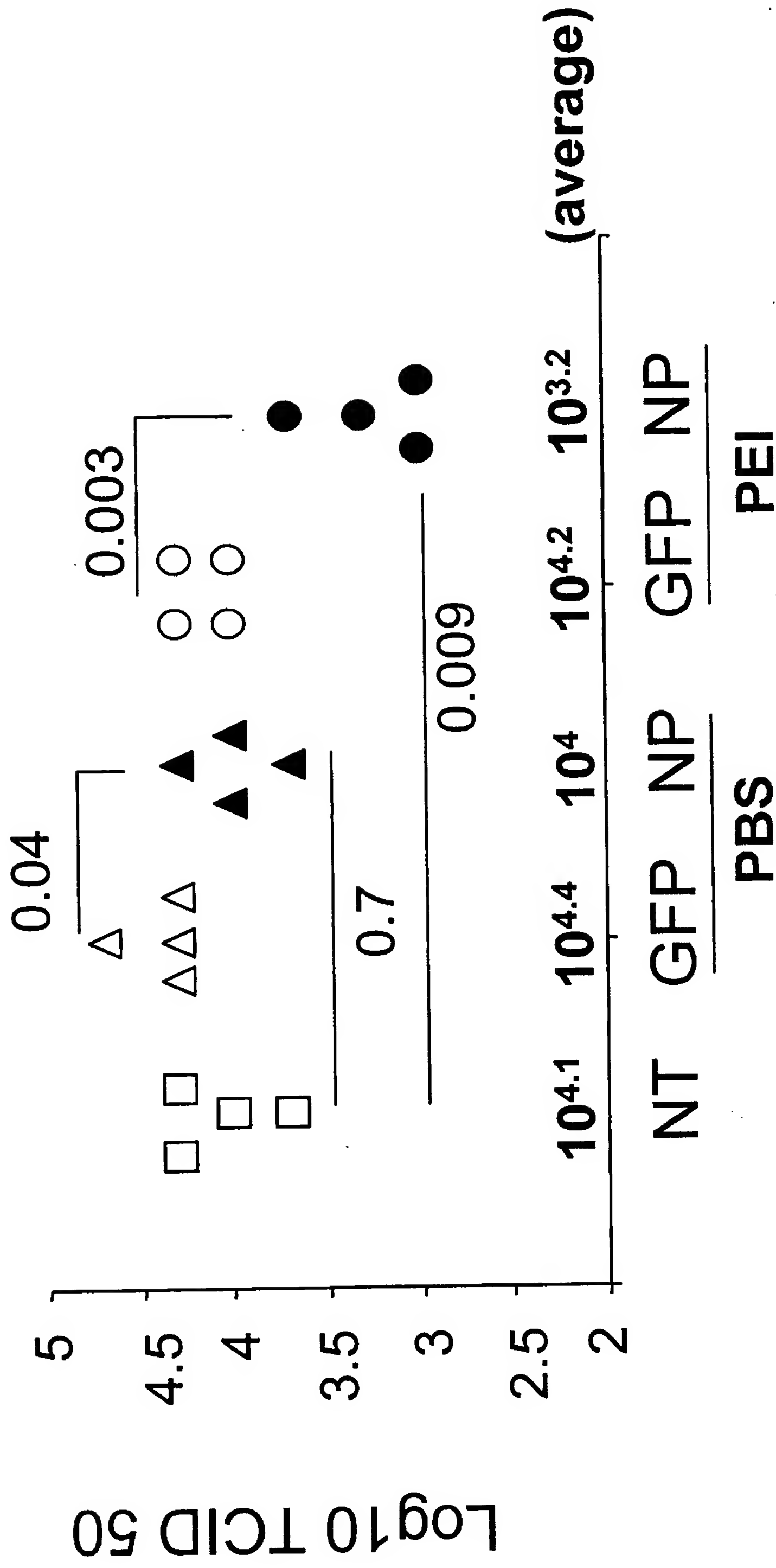
The in vivo Transfection Effect of Poly-L-Lysine(42K)



siRNA + 3 h → PR8, i.n. 24 h → MDCK
 PLL, i.v. 12k pfu/mouse homogenate HA assay

FIGURE 8B

siRNA Prevent Influenza Virus Production in vivo



siRNA -/+ 3 h → PR8, i.n. 24 h → MDCK
 PEI, i.v. 12k pfu/mouse → homogenate HA assay

FIGURE 8C

Additive/synergistic effect of siRNA against influenza virus in mice

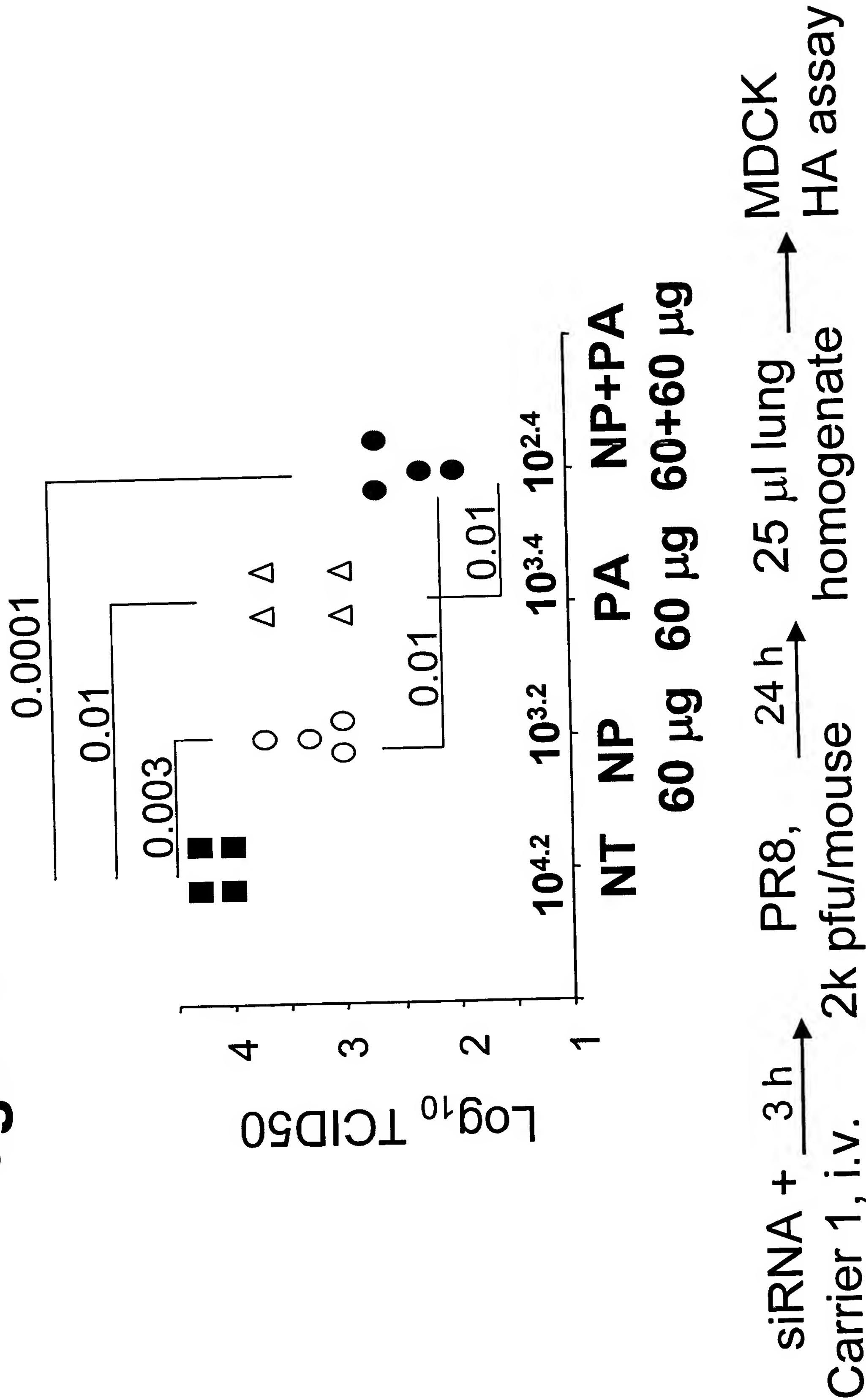


Figure 9

siRNA inhibit influenza virus Production in infected mouse

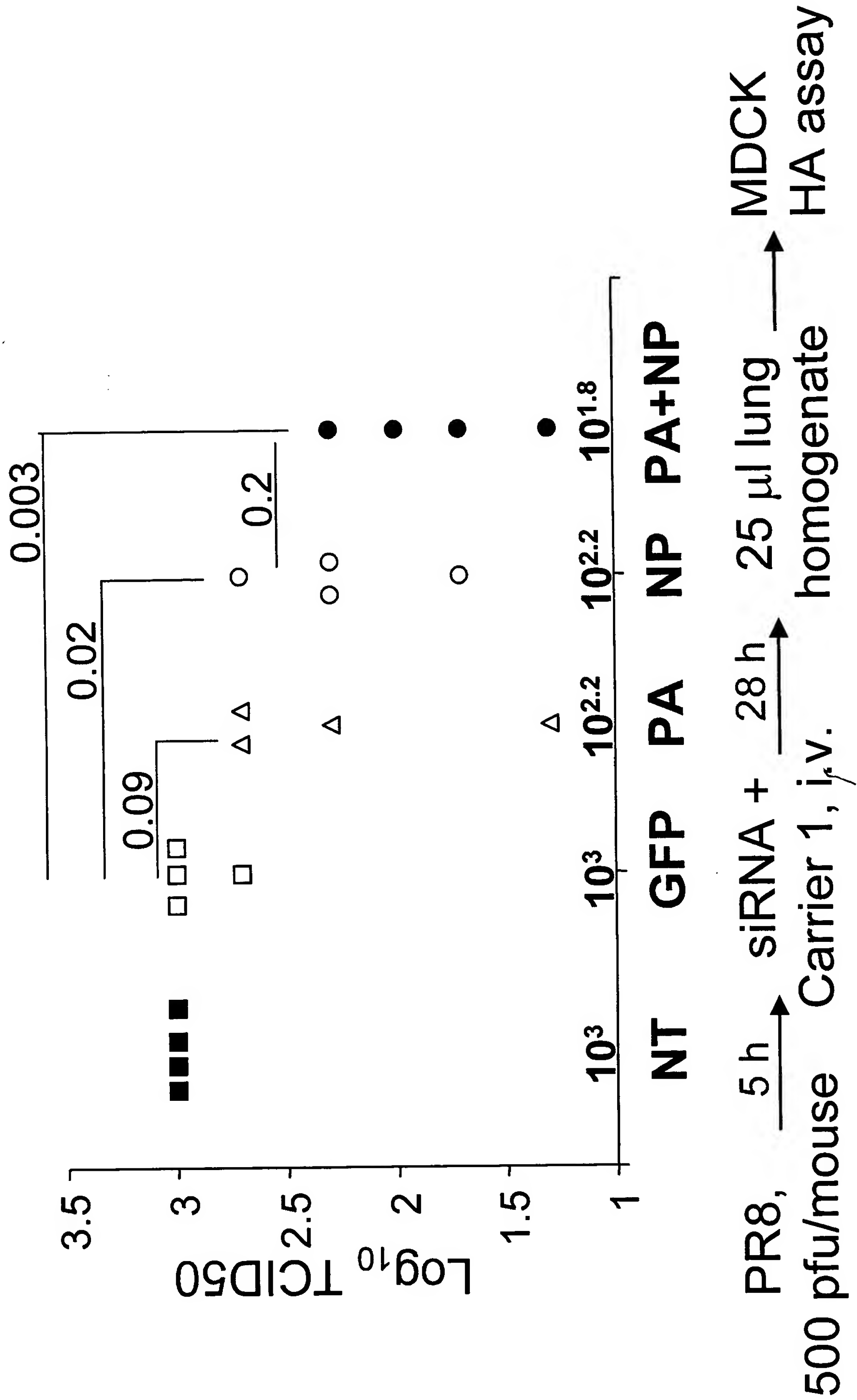
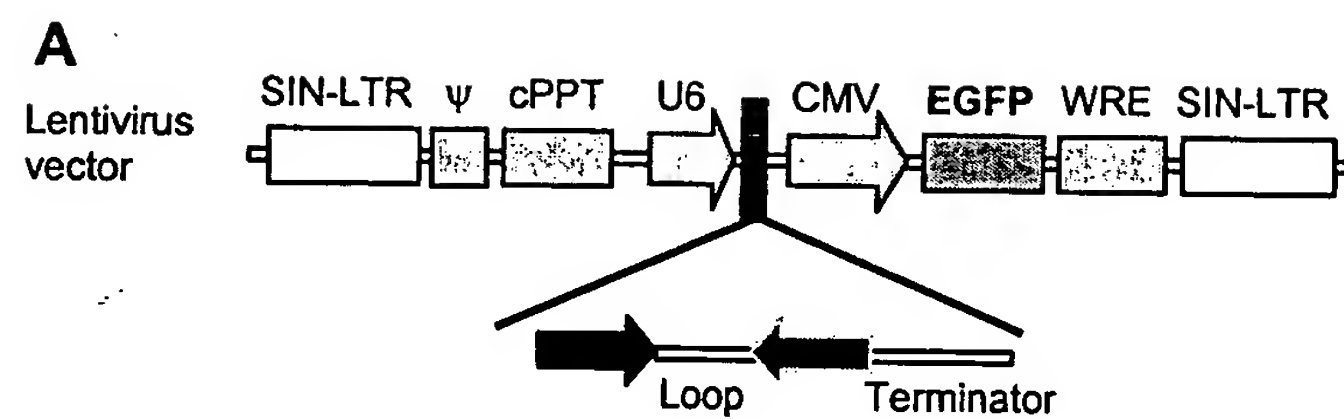


FIGURE 10



NP-1496_{shRNA}

5' -GGAUCUUAUUUCUUCGGAGA UU^C A

UU CCUAGAAUAAAGAAGCCUCU AG^A G

SEQ ID No: 36

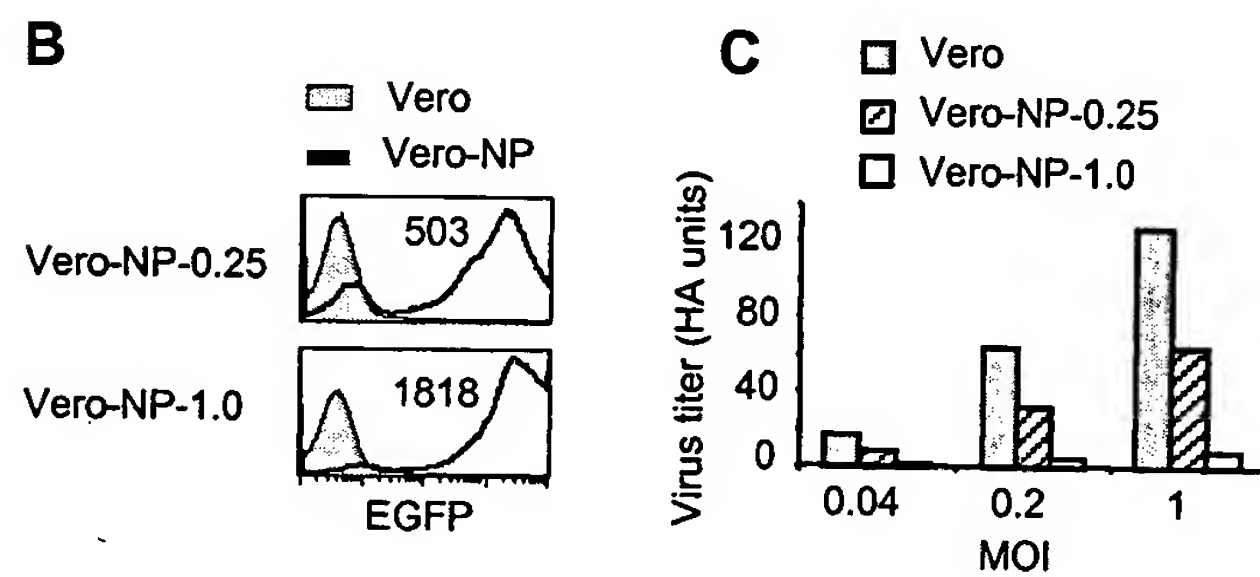


FIGURE 11

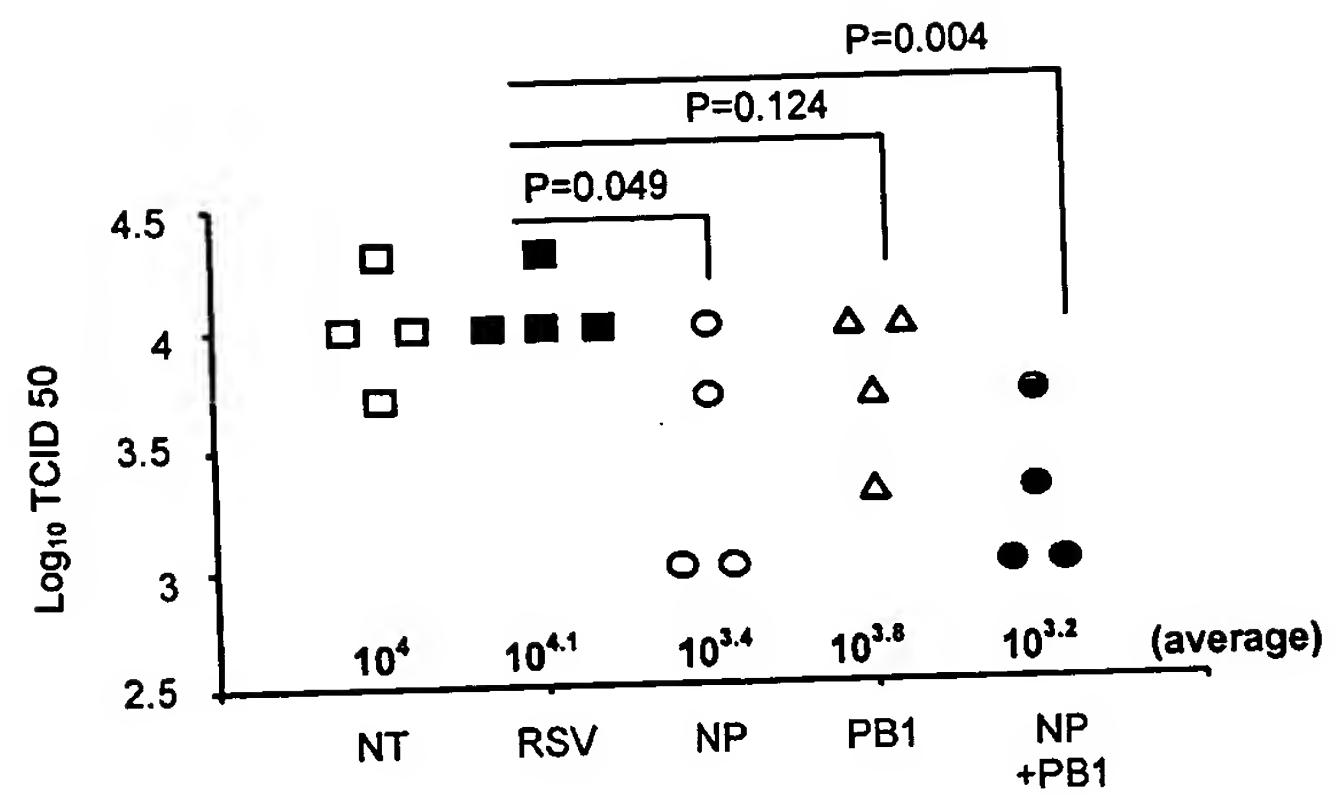


FIGURE 12

Electrophoretic retardation of siRNA with poly-L-lysine

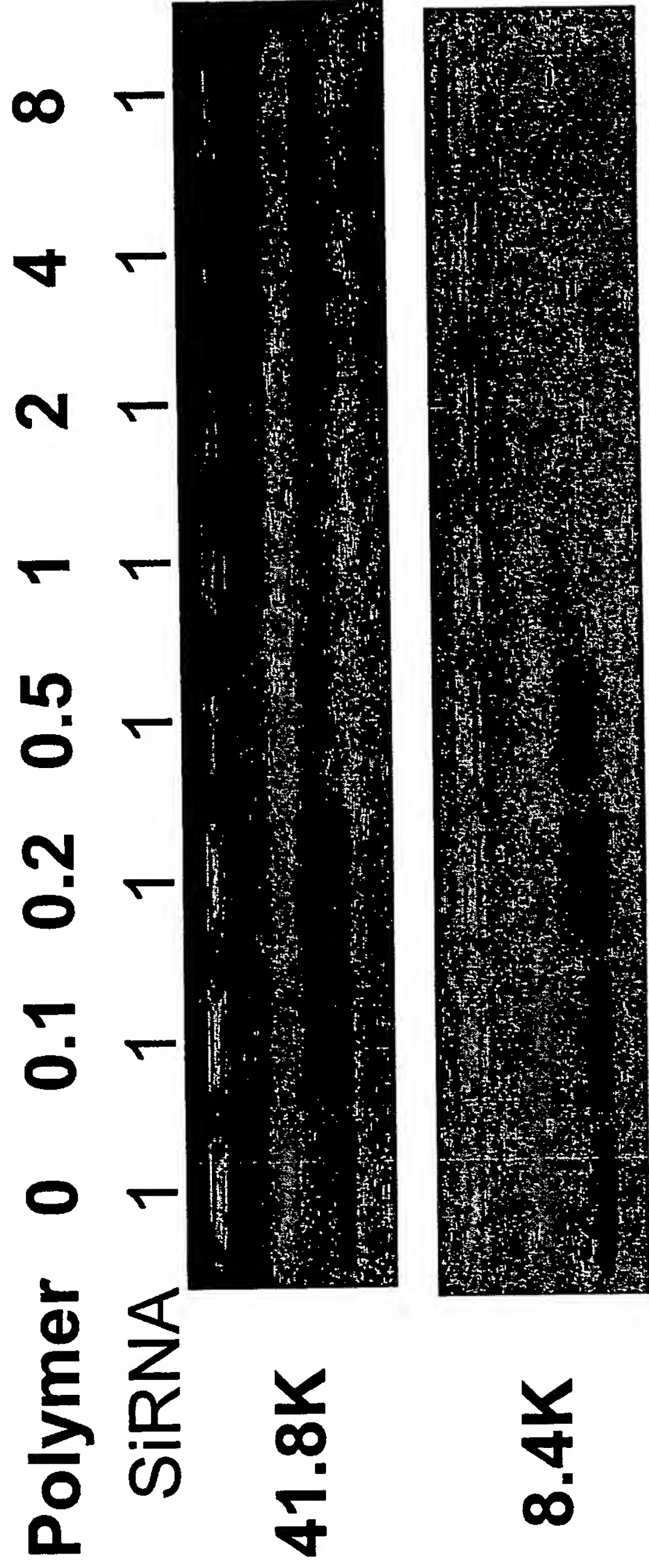


FIGURE 13A

Electrophoretic retardation of siRNA with poly-L-arginine

PLA	0	0.02	0.06	0.17	0.5	1.5	4.5	13.5	43.5
SiRNA	1	1	1	1	1	1	1	1	1

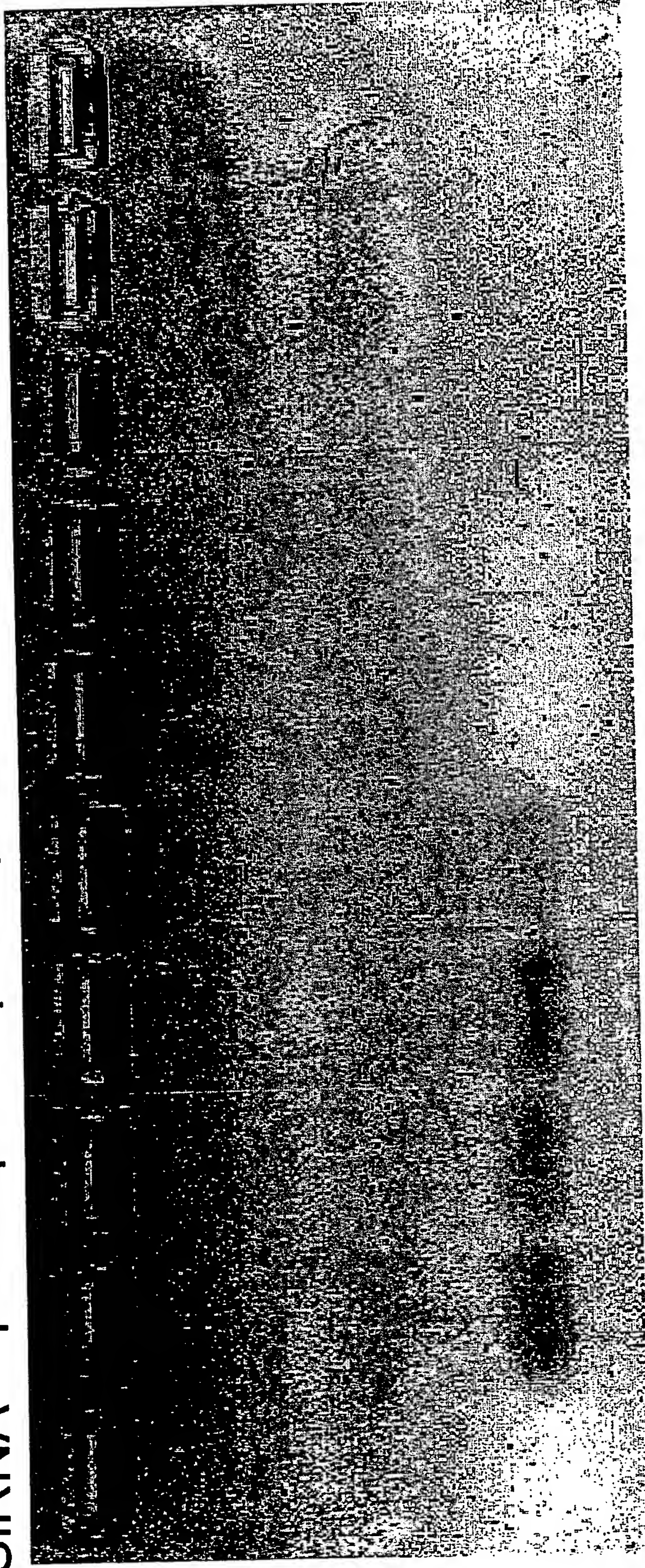


FIGURE 13B

Comparison of poly-L-lysine with different molecular weight

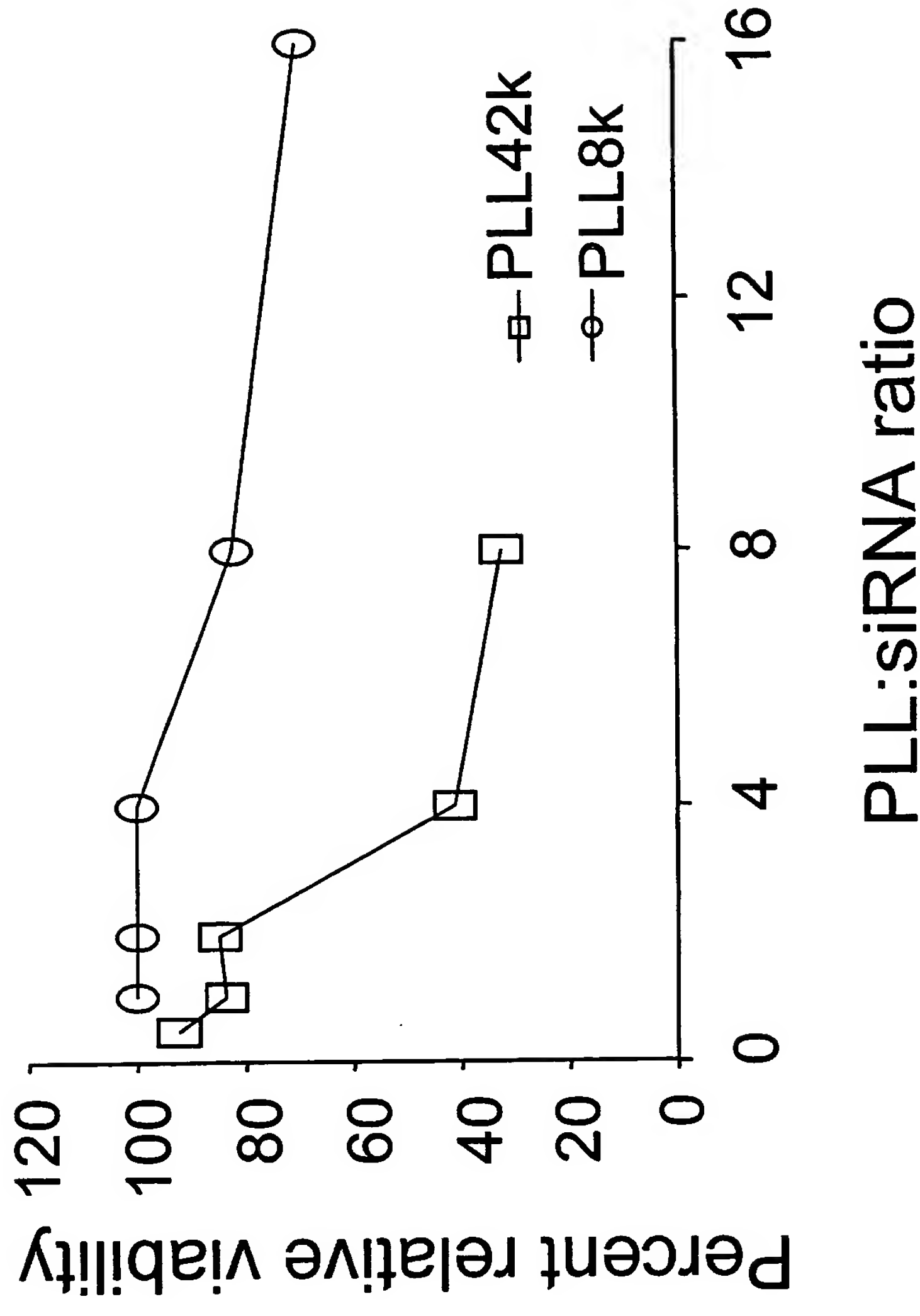


FIGURE 14A

In vitro cytotoxicity of poly-L-arginine

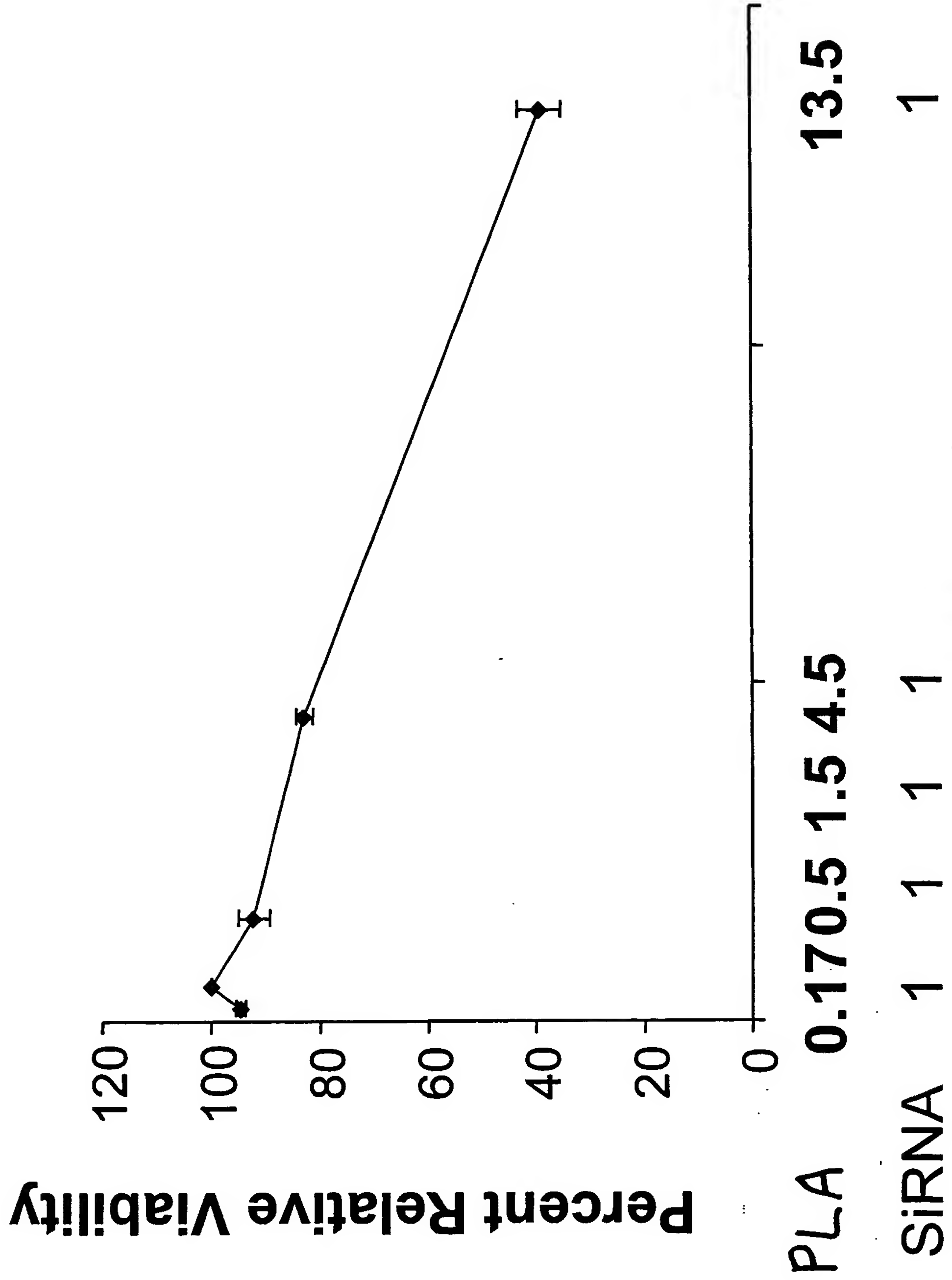
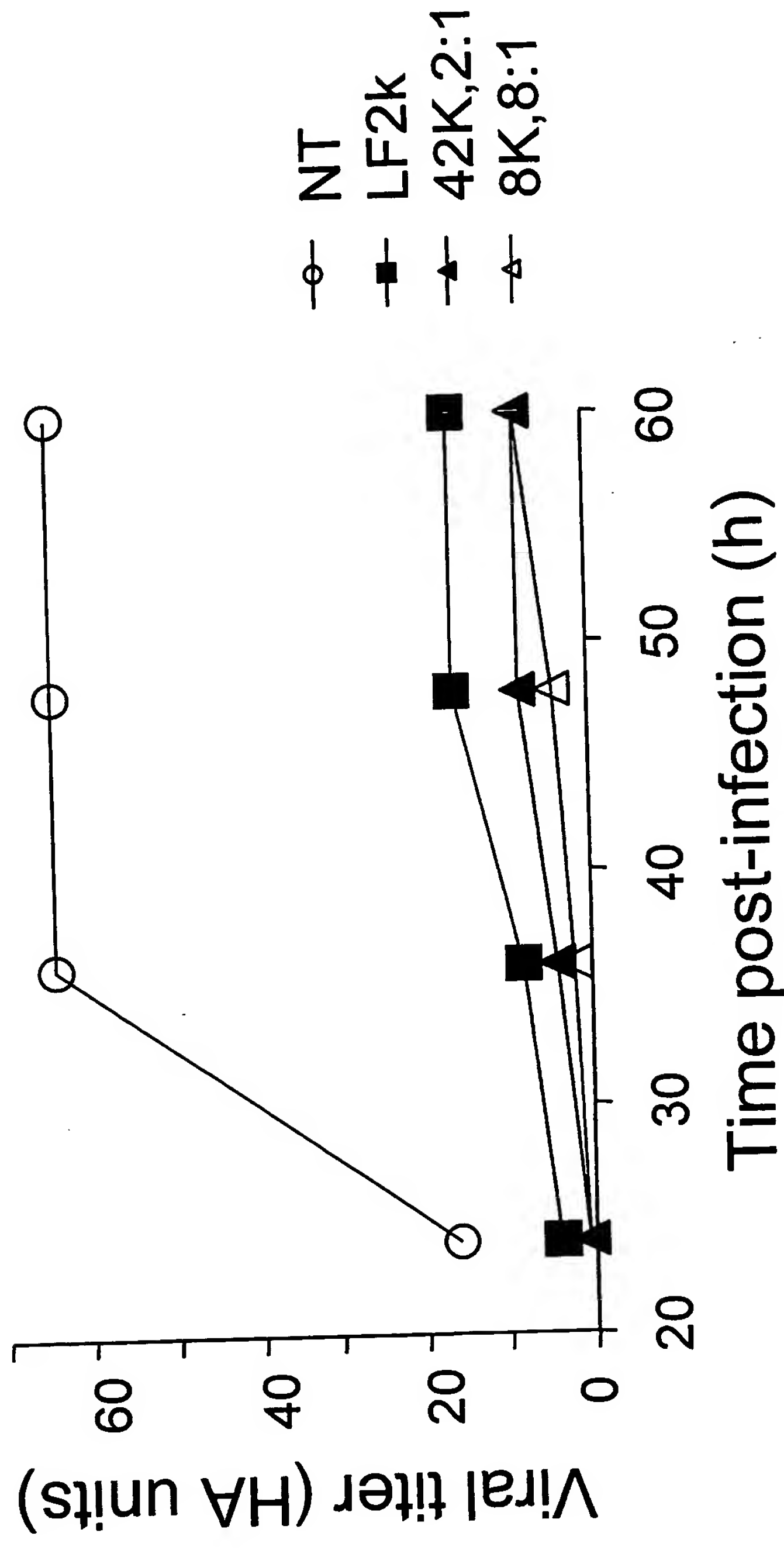


FIGURE 14B

Comparison of poly-L-lysine with different molecular weight



siRNA: 4×10^{-10} M

42K PLL: 2.9×10^{-10} M

8.4K PLL: 57×10^{-10} M

FIGURE 15A

Poly-L-argininine helps cellular uptake of siRNA in vitro

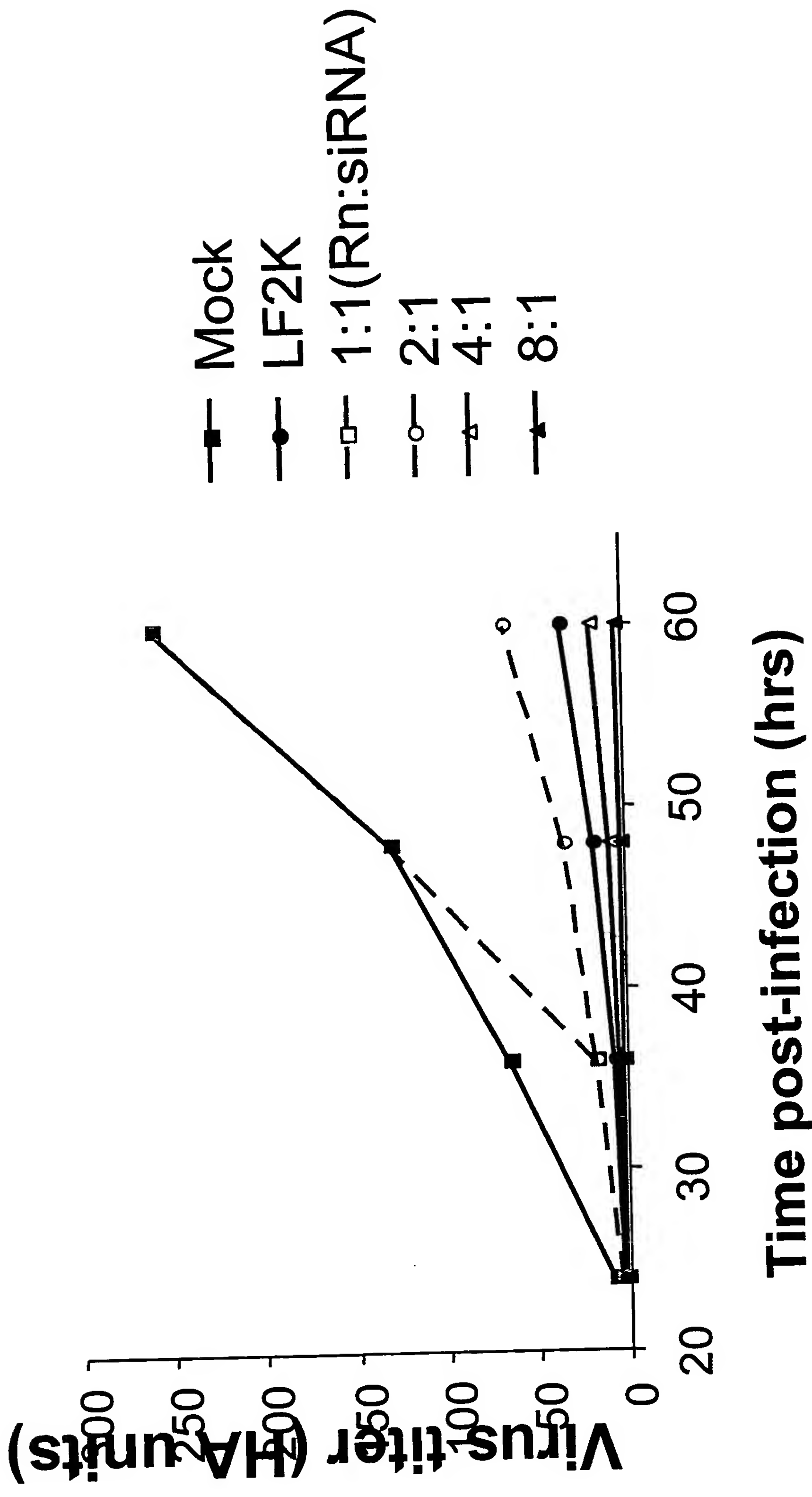
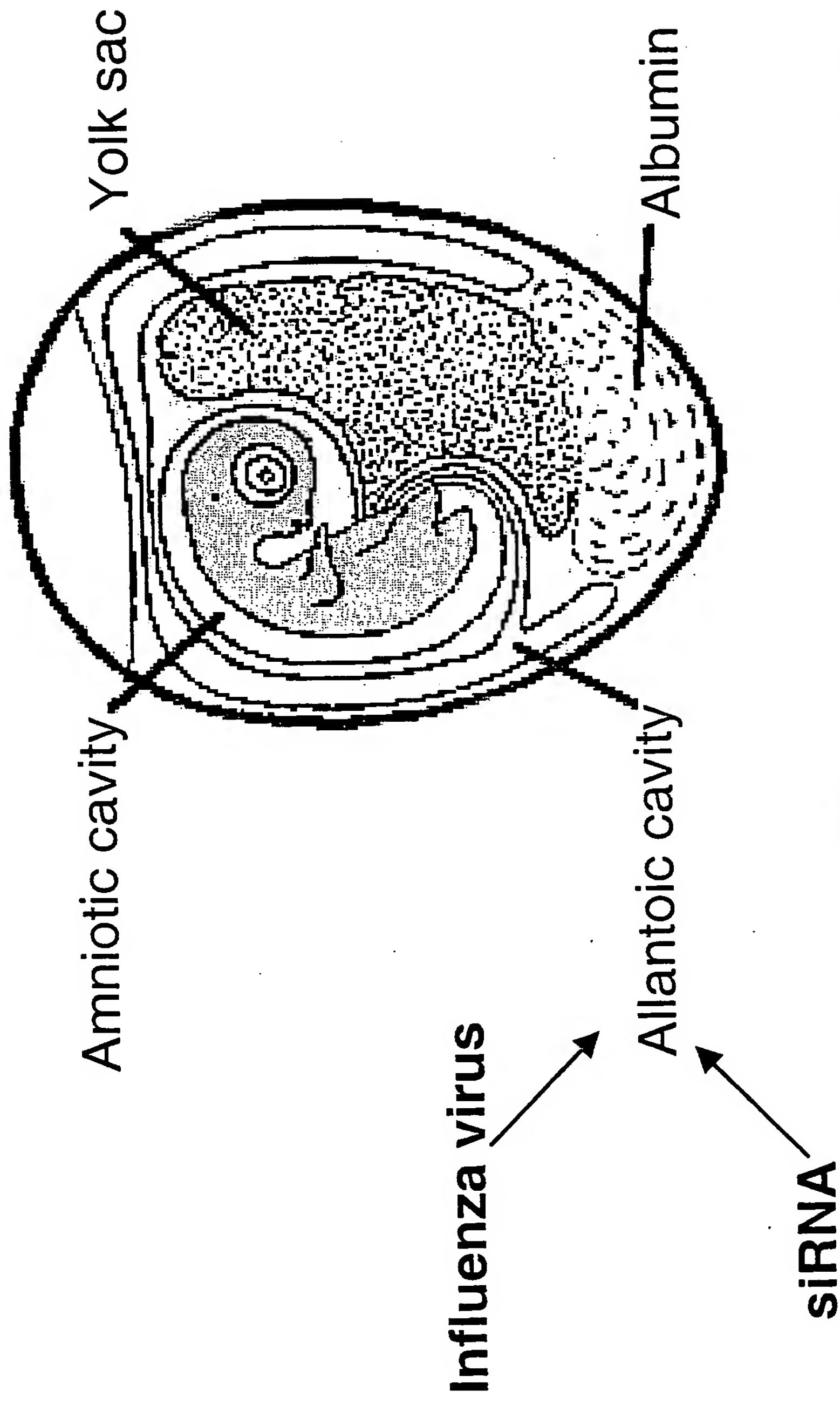


Figure 15B



10-day old fertilized chicken egg

FIGURE 16A

The inhibition of influenza A virus replication in chicken embryos

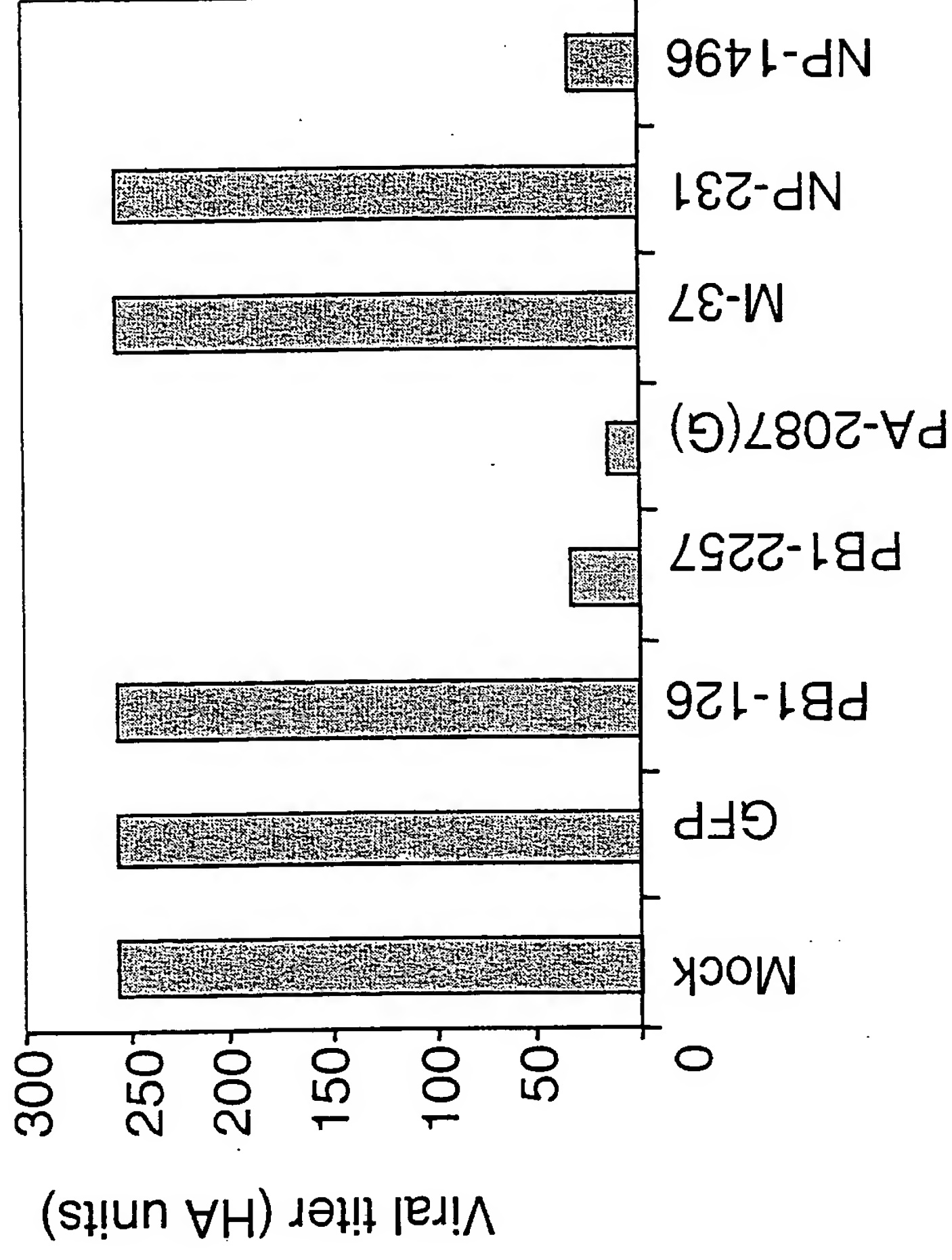


Figure 16B